

L4 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 1982:53764 CAPLUS
 DN 96:53764
 ED Entered STN: 12 May 1984
 TI Weaving of synthetic fabrics
 PA Toyobo Co., Ltd., Japan
 SO Jpn. Kokai Tokkyo Koho, 4 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 IC D06M015-52
 CC 40-7 (Textiles)
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 56140181	A2	19811102	JP 1980-41088	19800328 <--
PRAI	JP 1980-41088	A	19800328		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
------------	-------	------------------------------------

JP 56140181	IC	D06M015-52
-------------	----	------------

AB Sulfonate-modified water-soluble polyurethanes are useful as sizes for polyester or nylon yarns for weaving fabrics by a water jet loom. Thus, 0.9 mol 18:90:10:60:12:10 adipic acid-diethylene glycol-ethylene glycol-isophthalic acid-sodium 5-sulfoisophthalate-terephthalic acid copolymer was polycondensed with 1.0 mol TDI and 0.2 mol diethylene glycol monomethyl ether to give a polyurethane (I) [80482-16-2]. Fabric defects were low in sizing poly(ethylene terephthalate) yarns with aqueous 8% I and weaving a fabric from the yarns with size content 2.5%, whereas fabric defects were high for yarns sized with compns. containing an acrylic polymer and poly(vinyl alc.).

ST polyester yarn sizing polyurethane; nylon yarn sizing polyurethane; polyamide yarn sizing polyurethane; polyurethane size synthetic yarn

IT Polyamide fibers, uses and miscellaneous
 Polyester fibers, uses and miscellaneous

RL: USES (Uses)

(sizes for, water-soluble polyurethanes as)

IT Sizes

(water-soluble polyurethanes, for nylon and polyester yarns)

IT Urethane polymers, uses and miscellaneous

RL: USES (Uses)

(water-soluble, sizes, for polyester and nylon yarns)

IT 80482-16-2

RL: USES (Uses)

(sizes, water-soluble, for polyester yarns)

RN 80482-16-2

L4 ANSWER 2 OF 3 WPIX COPYRIGHT 2005 THE THOMSON CORP on STN
 AN 1981-92036D [50] WPIX

TI Weaving hydrophobic synthetic filament fabrics e.g. for tent cloths - coated with sizing agent of water dispersible polyurethane with sulphononic acid salt gp. to prevent oil staining etc..

DC A23 A25 A87 F03 F06

PA (TOYM) TOYOBO KK

CYC 1

PI	JP 56140181	A	19811102 (198150)*	4	<--
----	-------------	---	--------------------	---	-----

PRAI	JP 1980-41088	19800328
------	---------------	----------

IC D06M015-52

AB JP 56140181 A UPAB: 19930915

Hydrophobic synthetic filament yarns coated with 1.5-3 weight% of warp sizing agent consisting of water dispersible polyurethane with sulphononic acid

salt gp., are woven into fabric on water jet loom and the woven fabric is dried before rolling-up.

The hydrophobic synthetic filament yarn is made from aromatic polyester such as polyethylene terephthalate and aromatic polyamide such as nylon 6 and has a size of 150-300 denier. The density of weave is 50-80 per cent inch for total of warps and wefts. The polyurethane is obtd. by interaction of polyester diol with sulphonic acid salt gp. and polyisocyanate in the presence, if necessary, of chain extender.

The woven fabric is free from oil staining and irregularity of weave. Sticking of rolled fabric is prevented. The fabric is especially suitable for tent cloth, tarpaulin, foundation for belt, etc.

FS CPI

FA AB

MC CPI: A05-G01E; A12-G; F01-H06A

L4 ANSWER 3 OF 3 JAPIO (C) 2005 EPO on STN

AN 1981-140181 JAPIO

TI WEAVING OF HYDROPHOBIC SYNTHETIC FILAMENT FABRIC

IN YOSHIDA ICHIROU

PA TOYO BOSEKI KK

PI JP 56140181 A 19811102 Showa

AI JP 1980-41088 (JP5541088 Showa) 19800328

PRAI JP 1980-41088 19800328

SO INPADOC

IC ICM D06M015-52

=>